

ABSTRACT

An FEC apparatus and method is provided that uses turbo codes. An input frame is iteratively decoded until an iterative decoding stop command is received under a predetermined control, and the absolute reliability of each symbol in the frame is output. The minimum of the absolute reliabilities is detected as a measurement, and a threshold is detected using the a-priori information and extrinsic information of the each symbol. The measurement is compared with the threshold, and the iterative decoding stop command is output according to the comparison result.